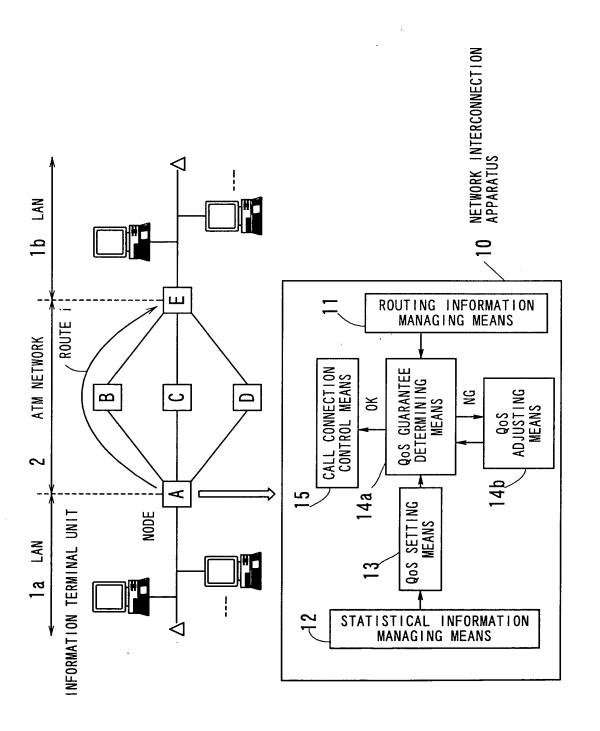
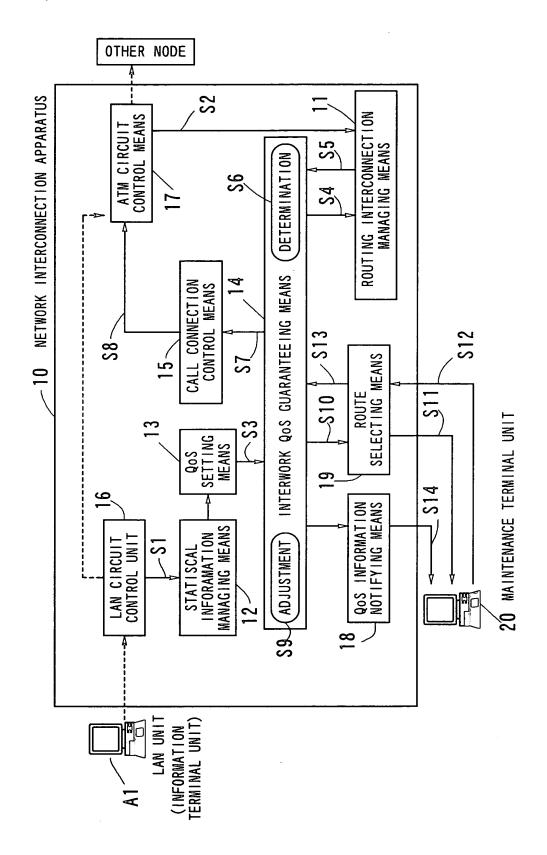
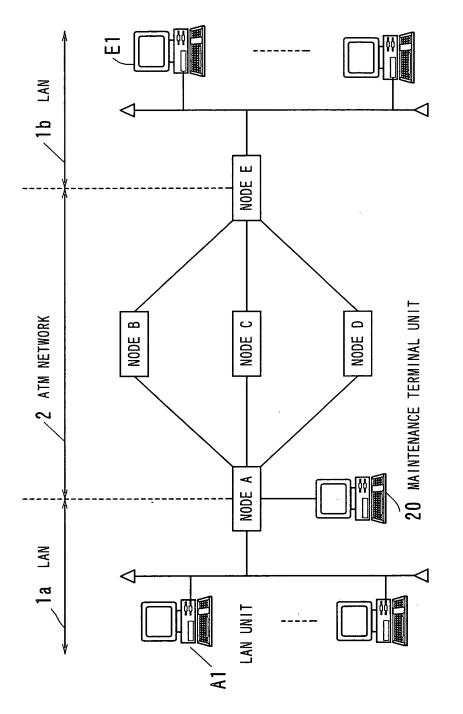
. 4

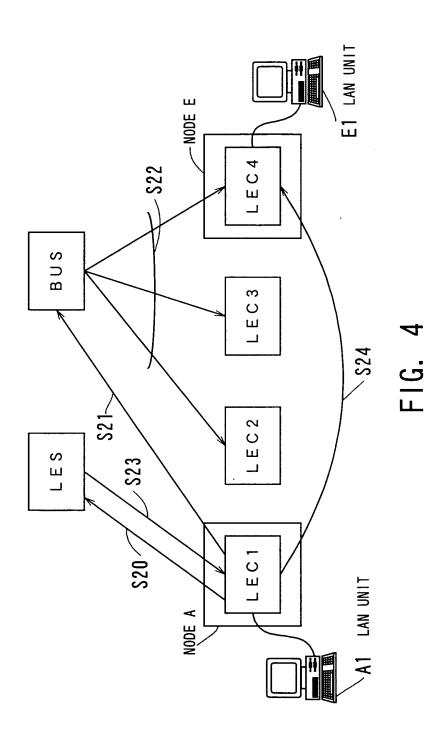


F1G. 1





. 5 L



11a STATISCAL INFORMATION MANAGEMENT TABLE

AVERAGE TRAFFIC VOLUME	19.2k	4.8M	2. 4 M
FIFTH SANPLING	19.2k	4.8M	96.0k
FOURTH SAMPLING	19.2k	4.8M	5. 76M
THIRD	19.2k	4.8M	5.76M
SECOND SAMPLING	19.2k	4.8M	144. 0 K
FIRST SAMPLING	19.2k	4.8M	240.0K
TCP/IP CONNECTION IDENTIFIER	IDENTIFIER #1 19.2 K 19.2 K 19.2 K 19.2 K 19.2 K 19.2 K	IDENTIFIER #2 4.8M 4.8M 4.8M 4.8M 4.8M 4	IDENTIFIER #3 240. 0 K 144. 0 K 5. 76M 5. 76M 96. 0 K 2. 4 M

(p b s)

FIG. 5

15a INFORMATION ELEMENT OF CALL CONNECTION REQUEST MESSAGE

INFORMATION ELEMENT	CONTENTS
ATM TRAFFIC DESCRIPTOR	PCR、SCR、MBS、ETC.
BROADBAND BEARER CAPABILITY	SERVICE CATEGORY, ETC.
DTL	ROUTING LIST, ETC.
CALLED PARTY NUMBER	TERMINATING ATM ADDRESS, ETC.
ETC.	

FIG. 6

13-1 QoS PARAMETERS

	CBR	(CONSTANT BIT RATE)
SERVICE CATEGORY	VBR	(VARIABLE BIT RATE)
	101	(1/////////////////////////////////////
	PCR	(PEAK CELL RATE)
BAND	SCR	(SUSTAINABLE CELL RATE)
1	••••	(**************************************
	MBS	(MAXIMUM BURST SIZE)
DELAY	CTD	(CELL TRANSFER DELAY)
FLUCTUATION	CDV	(CELL DELAY VARIATION)

FIG. 7

AGO	ARBITRARY	ARBITRARY
CLD	s π 02≅	s π 02≅
NBS		
SCR		
PCR	sdo05	12500cps
SERVICE CATEGORY	CBR	CBR
TCP/IP CONNECTION IDENTIFIER	IDENTIFIER #1	IDENTIFIER #2
	SERVICE CATEGORY PCR SCR WBS CTD	SERVICE CATEGORY PCR SCR MBS CTD 1 CBR 50cps ≤20 μs

∞ 5 L

≤4 μ s

ARBITRARY

30000 CELLS

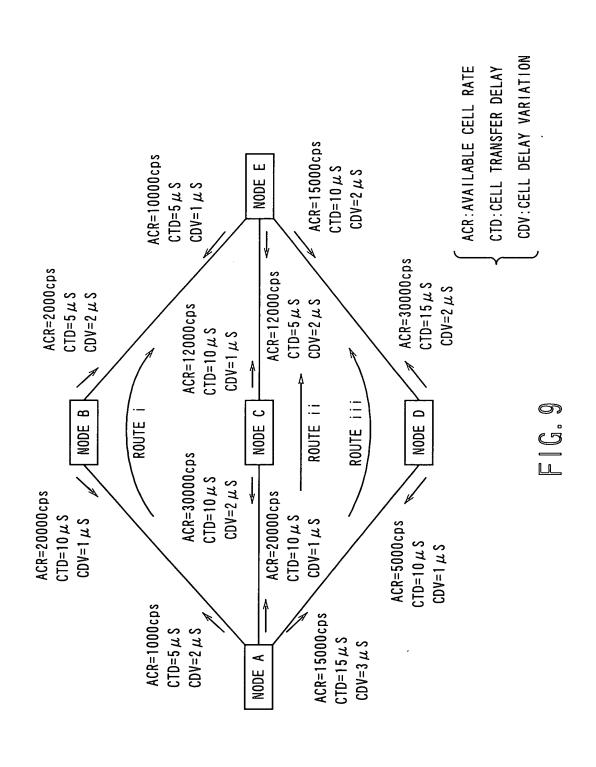
6250cps

15000cps

VBR

IDENTIFIER #3

13c



12a DTL TABLE

,				
12a-3	CDV	4 μ s	5 π s	s n g
12a-2	СТО	1 0 µ s	2 0 m s	3 0 m s
12a-1	ACR	1000cps	12000cps	15000cps
	ROUTING LIST	A→ B→ E	A→ C→ E	A→ D→ E
	ROUTE	į.	i i	: :

FIG. 10

15b INFORMATION ELEMENTS OF CALL CONNECTION REQUEST MESSAGE (FIRST EMBODIMENT)

INFORMATION ELEMENT	CONTENTS
ATM TRAFFIC DESCRIPTOR	PCR=50 cps
BROADBAND BEARER CAPABILITY	SERVICE CATEGORY=CBR
DTL	ROUTING LIST=A → B → E
CALLED PARTY NUMBER	TERMINATING ATM ADDRESS=ATM ADDRESS OF NODE E

FIG. 11

15c CALL CONNECTION REQUEST PARAMETERS (SECOND EMBODIMENT)

IMFORMATION ELEMENT	CONTENTS
ATM TRAFFIC DESCRIPTOR	PCR=50 cps, SCR=6250 cps, MBS=37500 CELLS
BROADBAND BEARER CAPABILITY	SERVICE CATEGORY=CBR
DTL	ROUTING LIST=A →C → E
CALLED PARTY NUMBER	TERMINATING ATM ADDRESS=ATM ADDRESS OF NODE E

FIG. 12

____18a QoS INFORMATION

· · · · · · · · · · · · · · · · · · ·	
QoS REQUESTED FIRST BUT FAILED TO BE GUARANTEED	SERVICE CATEGORY=VBR PCR=15000 cps SCR=6250 cps MBS=30000 CELLS CTD=ARBITRARY CDV=4 \(\mu \) S OR LESS
REASON FOR FAILURE TO GUARANTEE	BAND DEFICIENCY OF ROUTE i & BAND DEFICIENCY OF ROUTE ii & CDV OF ROUTE iii
OPTIMUM QOS AFTER ADJUSTMENT (GUARANTEED QOS)	SERVICE CATEGORY=VBR PCR=12000 cps SCR=6250 cps MBS=37500 CELLS CTD=ARBITRARY CDV=4 \(\mu \) s OF LESS

FIG. 13

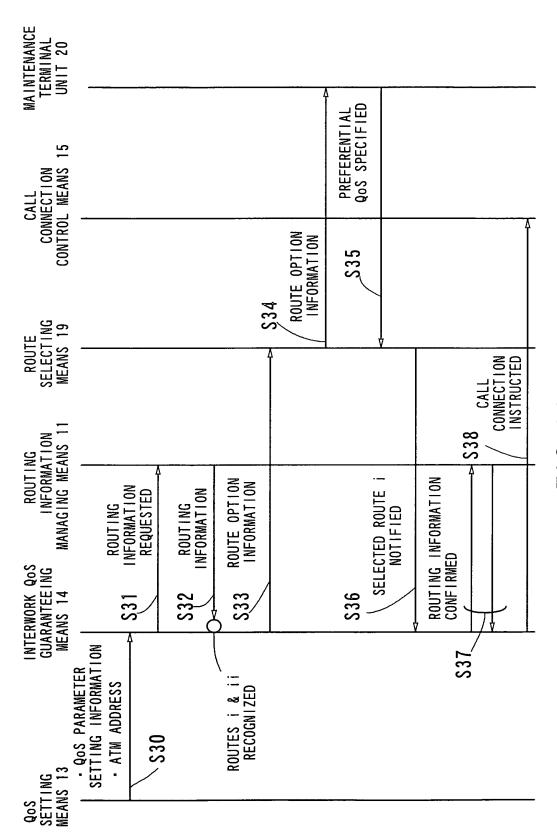


FIG. 14

